

P23556.P01, <div style="text-align: center;">UTILITY PATENT APPLICATION TRANSMITTAL</div> (Only for new nonprovisional applications under 37 CFR 1.53(b))	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Attorney Docket No.</td> <td style="width: 33%;">P23556</td> <td style="width: 33%;">Total Pages</td> </tr> <tr> <td colspan="3">Inventor(s) or Application Identifier Tetsuro OGAWA and Tadashi KOKUBO</td> </tr> <tr> <td colspan="3">Title: CAO-SiO₂-BASED BIOACTIVE GLASS AND SINTERED CALCIUM PHOSPHATE GLASS USING SAME</td> </tr> </table>	Attorney Docket No.	P23556	Total Pages	Inventor(s) or Application Identifier Tetsuro OGAWA and Tadashi KOKUBO			Title: CAO-SiO ₂ -BASED BIOACTIVE GLASS AND SINTERED CALCIUM PHOSPHATE GLASS USING SAME		
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Title: CAO-SiO ₂ -BASED BIOACTIVE GLASS AND SINTERED CALCIUM PHOSPHATE GLASS USING SAME										
ADDRESS TO: Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450										
APPLICATION ELEMENTS	ACCOMPANYING APPLICATION PARTS									
1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. a. <input type="checkbox"/> Small Entity Statement(s) 3. <input checked="" type="checkbox"/> Specification [Total Pages <u>23</u>] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <u>6</u>] 5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <u>3</u>] a. <input type="checkbox"/> Newly executed (original or copy) <input checked="" type="checkbox"/> Unexecuted b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20 completed) [Note Box 6 below] i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Incorporation By Reference (useable if Box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 7. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 8. <input type="checkbox"/> CD-Rom or CD-R, in duplicate, large table or Computer Program (<i>Appendix</i>)	9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies 10. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 11. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee) 12. <input type="checkbox"/> English Translation Document (if applicable) 13. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Citations Statement (IDS)/PTO-1449 14. <input type="checkbox"/> Preliminary Amendment 15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 16. <input checked="" type="checkbox"/> Figure of Drawing to be published <u>2</u> 17. <input checked="" type="checkbox"/> Foreign priority claimed a. <input checked="" type="checkbox"/> Claim of Priority b. <input type="checkbox"/> Certified Copy of Priority Document(s) 18. <input checked="" type="checkbox"/> Assignee: <u>PENTAX Corporation of Tokyo, Japan, and</u> <u>Tadashi KOKUBO of Kyoto, Japan</u> 19. <input checked="" type="checkbox"/> Other: <u>Cover Letter Filed Under 37 CFR 1.53(b) & (b)</u> _____ _____ _____ _____ _____									
20. If a CONTINUING APPLICATION , check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior Application No. _____/_____, filed _____. Prior application information: Examiner: _____ Group Art Unit: _____										
21. <input type="checkbox"/> Amend the specification by inserting before the first line the sentence: This application is a ___ continuation-in-part, ___ continuation, ___ divisional, of Application No. _____/_____, filed _____.										

Address all future correspondence to **Customer No. 7055** at the present address of:

GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191
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7/15/03
Date

Leslie M. Bernstein

Signature
33,329



07055

PATENT TRADEMARK OFFICE

Bruce H. Bernstein, Reg. No. 29,027

Typed or Printed Name

P23556.P02

FEE TRANSMITTAL

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Tetsuro OGAWA et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	P23556

TOTAL AMOUNT OF PAYMENT (\$750.00)

METHOD OF PAYMENT (check one)

1. ☒ The U.S. Patent and Trademark Office is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0089

Deposit Account Name GREENBLUM & BERNSTEIN, P.L.C.

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17, including any required extension of time fees in any concurrent or future

reply requiring a petition for extension of time for its timely submission (37 CFR 1.136(a)(3))

- ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)

- ☐ Applicant Claims Small Entity Status See 37 CFR 1.27.

2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION (fees effective 01/01/03)

1. FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	750.00
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 750.00

2. CLAIMS

Total Claims	Independent Claims	Multiple Dependent Claims	Extra	Fee from below	Fee Paid
11	2	0	0	18	0
-20=	-3=	0	0	84	0
		0	x	280	0

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim
1204	84	2204	42	Reissue independent claims over original patent
1205	18	2205	9	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR	
1805	1,840*	1805	1,840*	Prior to Examiner action	
1251	110	2251	55	Requesting publication of SIR after Examiner action	
1252	410	2252	205	Extension for response within 1st month	
1253	930	2253	465	Extension for response within 2nd month	
1254	1,450	2254	725	Extension for response within 3rd month	
1255	1,970	2255	985	Extension for response within 4th month	
1401	320	2401	160	Extension for response within 5th month	
1402	320	2402	160	Notice of Appeal	
1403	280	2403	140	Filing a brief in support of an appeal	
1451	1,510	1451	1,510	Request for oral hearing	
1452	110	2452	55	Petition to institute a public use proceeding	
1453	1,300	2453	650	Petition to institute a public use proceeding	
1501	1,300	2501	650	Petition to revive unavoidably abandoned application	
1502	470	2502	235	Petition to revive unintentionally abandoned application	
1503	630	2503	315	Utility issue fee (or reissue)	
1460	130	1460	130	Design issue fee	
1807	50	1807	50	Plant issue fee	
1806	180	1806	180	Petitions to the Commissioner	
8021	40	8021	40	Petitions related to provisional applications	
1809	750	2809	375	Submission of IDS	
1810	750	2810	375	Recording each patent assignment per property (times number of properties)	
1801	750	2801	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1802	900	1802	900	For each additional invention to be examined (37 CFR 1.129(b))	
				Request for Continued Examination (RCE)	
				Request for expedited examination of a design application	
Other fee (specify)					
Other fee (specify)					

*Reduced by Basic Filing Fee paid

SUBTOTAL (3) (\$) 0.00

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name Bruce H. Bernstein

Reg. Number

29,027

Signature

Date

7/15/03

Deposit Account User ID

P23556.P03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Tetsuro OGAWA et al.

Serial No : Not Yet Assigned

Filed : Concurrently Herewith

For : CAO-SiO₂-BASED BIOACTIVE GLASS AND SINTERED CALCIUM PHOSPHATE
GLASS USING SAME

**COVER LETTER ACCOMPANYING U.S. PATENT APPLICATION
FILED UNDER 37 C.F.R. 1.53(b) and 1.53(f)**

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Enclosed is a new patent application for filing in the U.S. Patent and Trademark Office under 37 C.F.R. 1.53(b) and 1.53(f) in which the Declaration and Power of Attorney attached thereto are in unexecuted form. A properly executed Declaration and Power of Attorney will be filed within the time period set forth in the Notice to File Missing Parts of Application, unless such time period has been extended by the filing of a petition accompanied by the extension fee under the provisions of 37 C.F.R. 1.136(a).

Related to the above, this application should be associated with Customer Number 7055, which includes the present correspondence address as follows:

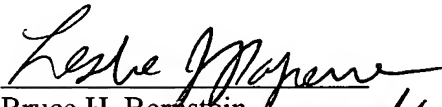
GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191

The above-identified application includes:

- 23 pages of specification with abstract.
- 6 sheets of drawings with 13 figures.
- 11 total claims and 2 independent.
- an unexecuted Declaration and Power of Attorney.

If there are any questions, please contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Tetsuro OGAWA et al.


Bruce H. Bernstein
Reg. No. 29,027 *reg. No.*
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July 15, 2003
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